

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An air pressure state reporting apparatus comprising:
 - an air pressure state detection device that is provided on a wheel and that detects ~~a state of an~~ air pressure of a tire of the wheel ~~and compares a detected air pressure with a target value~~; and
 - a reporting device that generates report information indicative of an air pressure state based on the ~~state of~~ detected air pressure ~~detected~~ by the air pressure state detection device, selects one of multiple reporting patterns which are different from each other in accordance with a difference between the detected air pressure and the target value, and that reports the report information generated to outside a vehicle in a selected reporting pattern.
2. (Currently Amended) The air pressure state reporting apparatus according to claim 1,
 - wherein the reporting device includes ~~an report a report~~ information generating portion that generates the report information, and ~~an reporting a reporting~~ portion that is operated to report the report information in the selected reporting pattern ~~in accordance with the report information generated by the report information generating portion~~, and
 - wherein the reporting portion includes at least one of a light radiation device that radiates light to outside the vehicle, a sound generating device that generates a sound to outside the vehicle, and a portable instrument that is separate from the vehicle.
3. (Canceled)
4. (Original) The air pressure state reporting apparatus according to claim 1, wherein the reporting device includes a vehicle-mounted device that is provided in the vehicle

and is operated in accordance with operation of an operating member by a driver, and an air pressure state-corresponding vehicle-mounted device control portion that generates the report information and operates the vehicle-mounted device in accordance with the report information generated.

5. (Original) The air pressure state reporting apparatus according to claim 1, wherein the reporting device includes a movable reporting device that has a movable member that is visually recognizable from outside the vehicle, a driving portion that operates the movable member, and a driving control portion that controls the driving portion.

6. (Original) The air pressure state reporting apparatus according to claim 1, wherein the reporting device includes an air pressure supply state detection device that detects whether air pressure is being supplied to the tire, and wherein the reporting device reports the report information while it is detected by the air pressure supply state detection device that air pressure is being supplied.

7. (Original) The air pressure state reporting apparatus according to claim 6, wherein the air pressure supply state detection device includes an increase gradient-corresponding air pressure supply state detecting portion that determines that air pressure is being supplied if a gradient of increase in the air pressure is greater than a set gradient.

8. (Original) The air pressure state reporting apparatus according to claim 6, wherein the reporting device includes an abnormality reporting portion that reports that a gradient of increase in the air pressure is at most an abnormality detection-purpose set gradient if the gradient of increase in the air pressure is at most the abnormality detection-purpose set gradient in a case where it is detected by the air pressure supply state detection device that air pressure is being supplied.

9. (Original) The air pressure state reporting apparatus according to claim 6, wherein the air pressure supply state detection device includes a during-stop air pressure

supply state detecting portion that determines that air pressure is being supplied if a gradient of increase in the air pressure is greater than a set gradient in a case where a rotation speed of the wheel that includes the tire is at most a set speed.

10. (Currently Amended) The air pressure state reporting apparatus according to claim 6, wherein the reporting device includes an air pressure supply state reporting portion that generates air pressure supply state report information based on the state of the detected air pressure ~~detected~~ by the air pressure state detection device and reports the air pressure supply state report information if it is detected by the air pressure supply state detection device that air pressure is being supplied.

11. (Currently Amended) The air pressure state reporting apparatus according to claim 1, further comprising a tire temperature-related information obtainment device that is provided on at least one of the wheel and ~~the-a~~ vehicle body and that obtains tire temperature-related information that is information related to a temperature of the tire, wherein the reporting device includes a standard state air pressure obtaining portion that obtains the air pressure of the tire in a standard state based on the tire temperature-related information obtained by the tire temperature-related information obtainment device and the state of the detected air pressure ~~detected~~ by the air pressure state detection device, and a set pressure attainment information reporting portion that reports that the air pressure of the tire in the standard state obtained by the standard state air pressure obtaining portion is at least a set pressure if the air pressure of the tire in the standard state obtained by the standard state air pressure obtaining portion is at least the set pressure.

12. (Original) The air pressure state reporting apparatus according to claim 11, wherein the tire temperature-related information obtainment device includes a rotation state detection device that detects a state of rotation of the wheel, and the reporting device includes a rotation state-corresponding temperature estimating portion that estimates a temperature of

the tire based on the state of rotation detected by the rotation state detection device.

13. (Original) The air pressure state reporting apparatus according to claim 11, wherein the standard state air pressure obtaining portion includes a high temperature-time obtaining portion that obtains the standard state air pressure if the tire temperature indicated by the tire temperature-related information obtained by the tire temperature-related information obtainment device is at least a set temperature.

14. (Original) The air pressure state reporting apparatus according to claim 1, wherein the reporting device includes an inside reporting portion that reports the report information to inside the vehicle during a normal condition, and an outside reporting portion that reports the report information to outside the vehicle if it is detected by the air pressure supply state detection device that air pressure is being supplied.

15. (Currently Amended) The air pressure state reporting apparatus according to claim 14, wherein if ~~the-a~~ standard state air pressure reaches a target value, the outside reporting portion reports so, and if the standard state air pressure is lower than a reference value, the inside reporting portion reports so.

16. (Currently Amended) The air pressure state reporting apparatus according to claim 1, further comprising:

a wheel information transmitting portion that is provided on the wheel and that transmits wheel information that includes the state of the detected air pressure ~~detected~~ by the air pressure state detection device; and

a receiving portion that is provided on ~~the-a~~ vehicle body and that receives the wheel information, wherein the reporting device includes a received information-based air pressure state obtaining portion that obtains the state of air pressure based on the wheel information received by the receiving portion.

17. (Original) The air pressure state reporting apparatus according to claim 1, wherein the reporting device is provided on the wheel.

18-20. (Canceled)

21. (Currently Amended) An The air pressure state reporting apparatus according to claim 1, comprising:

~~an air pressure detection device that is provided on a wheel and that detects a value of air pressure of a tire of the wheel; and~~

a standard state air pressure value obtaining portion that obtains a standard state air pressure value based on ~~a detected~~ an air pressure value detected by the air pressure state detection device and at least one of a load applied to the wheel and a temperature of the tire.

22. (Currently Amended) An air pressure reporting method comprising:

a first step of detecting a state of an air pressure of a tire of a wheel;

a second step of comparing a detected air pressure of the tire with a target
value; and

~~a second-third step of generating report information indicative of an air pressure state based on the state of air pressure detected, the detected air pressure;~~

~~a fourth step of selecting one of multiple reporting patterns which are different from each other in accordance with a difference between the detected air pressure and the target value; and~~

~~a fifth step of reporting the report information generated to outside a vehicle.~~

23. (New) An air pressure state reporting apparatus, comprising:

an air pressure state detection device that is provided on a wheel and that detects an air pressure of a tire of the wheel and compares a detected air pressure with a target value, which is variable; and

a reporting device that generates report information indicative of an air pressure state based on a difference between the detected air pressure and the target value, and that reports the report information generated to outside a vehicle.

24. (New) The air pressure state reporting apparatus according to claim 23, wherein the reporting device includes a report information generating portion that generates the report information, and a reporting portion that is operated in accordance with the report information generated by the report information generating portion, and wherein the reporting portion includes at least one of a light radiation device that radiates light to outside the vehicle, a sound generating device that generates a sound to outside the vehicle, and a portable instrument that is separate from the vehicle.

25. (New) The air pressure state reporting apparatus according to claim 23, wherein the reporting device includes an air pressure state information generating portion that generates different kinds of pieces of air pressure state report information in accordance with different states of the detected air pressure by the air pressure state detection device, and an reporting portion capable of discriminatory reporting the different kinds of pieces of air pressure report information generated by the air pressure state information generating portion.

26. (New) The air pressure state reporting apparatus according to claim 23, wherein the reporting device includes a vehicle-mounted device that is provided in the vehicle and is operated in accordance with operation of an operating member by a driver, and an air pressure state-corresponding vehicle-mounted device control portion that generates the report information and operates the vehicle-mounted device in accordance with the report information generated.

27. (New) The air pressure state reporting apparatus according to claim 23, wherein the reporting device includes a movable reporting device that has a movable member

that is visually recognizable from outside the vehicle, a driving portion that operates the movable member, and a driving control portion that controls the driving portion.

28. (New) The air pressure state reporting apparatus according to claim 23,
wherein the reporting device includes an air pressure supply state detection device that detects whether air pressure is being supplied to the tire, and
wherein the reporting device reports the report information while it is detected by the air pressure supply state detection device that air pressure is being supplied.

29. (New) The air pressure state reporting apparatus according to claim 28,
wherein the air pressure supply state detection device includes an increase gradient-corresponding air pressure supply state detecting portion that determines that air pressure is being supplied if a gradient of increase in the air pressure is greater than a set gradient.

30. (New) The air pressure state reporting apparatus according to claim 28,
wherein the reporting device includes an abnormality reporting portion that reports that a gradient of increase in the air pressure is at most an abnormality detection-purpose set gradient if the gradient of increase in the air pressure is at most the abnormality detection-purpose set gradient in a case where it is detected by the air pressure supply state detection device that air pressure is being supplied.

31. (New) The air pressure state reporting apparatus according to claim 28,
wherein the air pressure supply state detection device includes a during-stop air pressure supply state detecting portion that determines that air pressure is being supplied if a gradient of increase in the air pressure is greater than a set gradient in a case where a rotation speed of the wheel that includes the tire is at most a set speed.

32. (New) The air pressure state reporting apparatus according to claim 28,
wherein the reporting device includes an air pressure supply state reporting portion that generates air pressure supply state report information based on the state of the detected air

pressure by the air pressure state detection device and reports the air pressure supply state report information if it is detected by the air pressure supply state detection device that air pressure is being supplied.

33. (New) The air pressure state reporting apparatus according to claim 23, further comprising a tire temperature-related information obtainment device that is provided on at least one of the wheel and a vehicle body and that obtains tire temperature-related information that is information related to a temperature of the tire, wherein the reporting device includes a standard state air pressure obtaining portion that obtains the air pressure of the tire in a standard state based on the tire temperature-related information obtained by the tire temperature-related information obtainment device and the state of the detected air pressure by the air pressure state detection device, and a set pressure attainment information reporting portion that reports that the air pressure of the tire in the standard state obtained by the standard state air pressure obtaining portion is at least a set pressure if the air pressure of the tire in the standard state obtained by the standard state air pressure obtaining portion is at least the set pressure.

34. (New) The air pressure state reporting apparatus according to claim 33, wherein the tire temperature-related information obtainment device includes a rotation state detection device that detects a state of rotation of the wheel, and the reporting device includes a rotation state-corresponding temperature estimating portion that estimates a temperature of the tire based on the state of rotation detected by the rotation state detection device.

35. (New) The air pressure state reporting apparatus according to claim 33, wherein the standard state air pressure obtaining portion includes a high temperature-time obtaining portion that obtains the standard state air pressure if the tire temperature indicated by the tire temperature-related information obtained by the tire temperature-related information obtainment device is at least a set temperature.

36. (New) The air pressure state reporting apparatus according to claim 23, wherein the reporting device includes an inside reporting portion that reports the report information to inside the vehicle during a normal condition, and an outside reporting portion that reports the report information to outside the vehicle if it is detected by the air pressure supply state detection device that air pressure is being supplied.

37. (New) The air pressure state reporting apparatus according to claim 36, wherein if a standard state air pressure reaches a target value, the outside reporting portion reports so, and if the standard state air pressure is lower than a reference value, the inside reporting portion reports so.

38. (New) The air pressure state reporting apparatus according to claim 23, further comprising:

a wheel information transmitting portion that is provided on the wheel and that transmits wheel information that includes the state of the detected air pressure by the air pressure state detection device; and

a receiving portion that is provided on a vehicle body and that receives the wheel information, wherein the reporting device includes a received information-based air pressure state obtaining portion that obtains the state of air pressure based on the wheel information received by the receiving portion.

39. (New) The air pressure state reporting apparatus according to claim 23, wherein the reporting device is provided on the wheel.